

## METHODS AND APPARATUSES FOR IMPLANTABLE MEDICAL DEVICE TELEMETRY POWER MANAGEMENT

### Abstract

5 An implantable medical device includes a radio-frequency (RF) telemetry circuit and a power connection module through which the RF telemetry circuit is connected to an energy source such as a battery. The power connection module connects power from the energy source to at least one portion of the RF telemetry circuit when a user initiates an RF telemetry session. After the RF telemetry session is completed, the power  
10 connection module shuts off the at least one portion of the RF telemetry circuit. Power-on examples include a wireless telemetry activation signal received by a low power radio receiver in the implantable device, a physical motion detected by an activity sensor in the implantable device, an activation of an inductive telemetry circuit in the implantable device, a magnetic field detected by a magnetic field detector in the  
15 implantable device, and/or a telemetry activation signal detected by a sensing circuit included in the implantable device. Power-off examples include a wireless termination signal received by the implantable device, a delay timeout following the RF telemetry session, and/or a signal received by an inductive telemetry circuit in the implantable device.

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